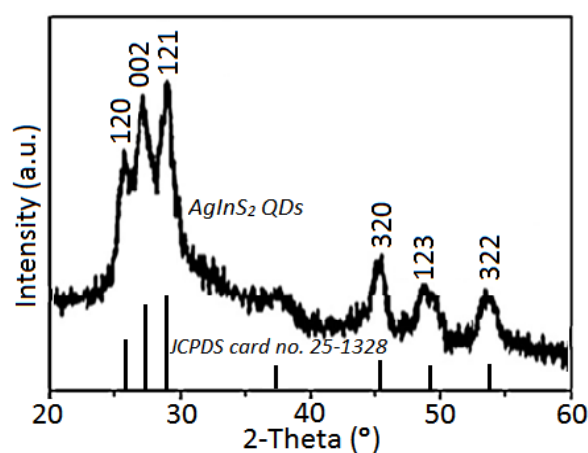


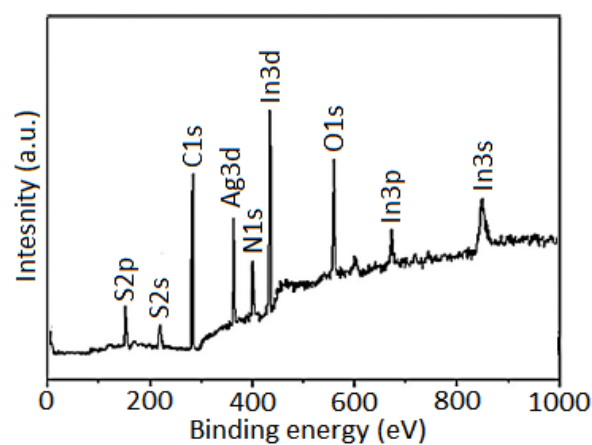
## Facile fabrication of water-dispersible AgInS<sub>2</sub> quantum dots and mesoporous AgInS<sub>2</sub> nanospheres with visible photoluminescence

Hui Jin, Rijun Gui,\* Zonghua Wang,\* Jianfei Xia, Min Yang, Feifei Zhang and Sai Bi

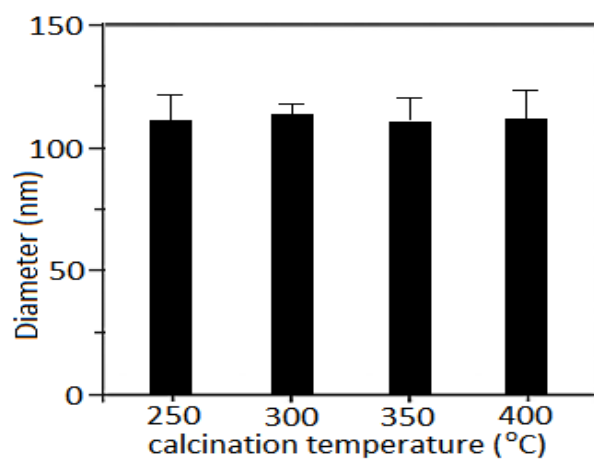
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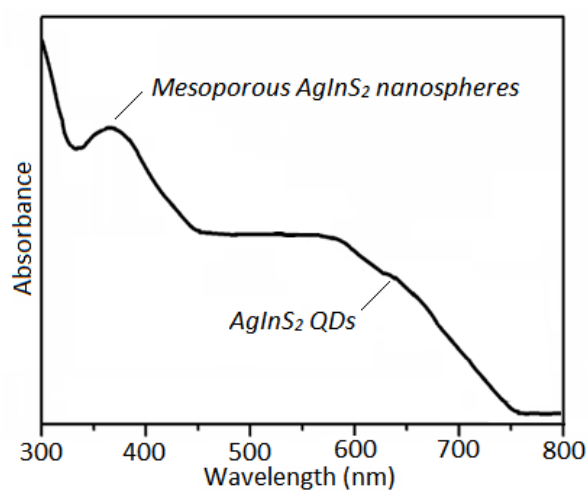
**Fig. S1** XRD patterns of the as-prepared AgInS<sub>2</sub> QDs.



**Fig. S2** Full XPS spectrum of the as-prepared AgInS<sub>2</sub> QDs.



**Fig. S3** Average diameters of mesoporous AgInS<sub>2</sub> nanospheres obtained from 2 h of calcination treatment of AgInS<sub>2</sub> QDs-aggregates at different temperatures.



**Fig. S4** UV-vis-NIR absorption spectrum of the as-prepared mesoporous AgInS<sub>2</sub> nanospheres.